

Rec'd PCT/PTO 23 DEC 2004

10/519511

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
8 January 2004 (08.01.2004)

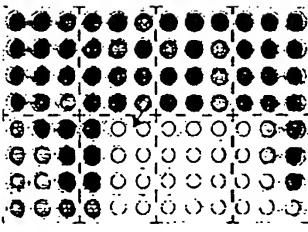
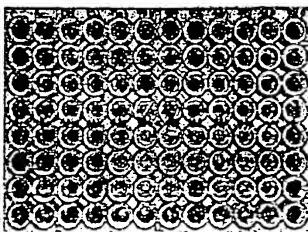
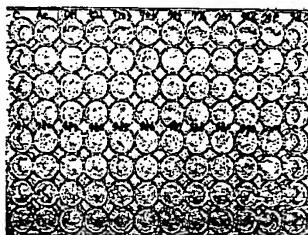
PCT

(10) International Publication Number
WO 2004/003225 A1

- (51) International Patent Classification⁷: C12Q 1/02
(21) International Application Number: PCT/KR2003/001041
(22) International Filing Date: 28 May 2003 (28.05.2003)
(25) Filing Language: Korean
(26) Publication Language: English
(30) Priority Data: 10-2002-0036512 27 June 2002 (27.06.2002) KR
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(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK,

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(54) Title: METHOD FOR HIGH THROUGHPUT SCREENING OF PLANT GROWTH REGULATOR



(57) Abstract: The present invention relates to a method for high throughput screening of plant growth regulator, more particularly to the method comprising; 1) culturing phytomixotrophic cells and candidates of plant growth regulator which were added in a microwell plate, 2) treating 2,3,5-triphenyltetrazolium chloride thereto, 3) reacting thereof by adding ethanol after removing solutions from microwells, 4) transferring the reacting solution into the new microwell plate, and 5) measuring optical density with a high throughput screening reader. Since the method of the present invention can rapidly and conveniently screen many samples and can also evaluate *in vivo* activities of plant growth regulators, it can effectively be used as a screening method for plant growth inhibitors and activators.

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